

Sunrise Children's Services, Sanders Center Renovation Danville, Kentucky

Addendum No. 3 November 27, 2023

The original specifications and drawings dated October 23, 2023 are amended as noted in this Addendum No.3. Receipt of this Addendum shall be acknowledged by inserting its number in the space provided on the Form of Proposal.

GENERAL

1. REVISED - Bidders shall submit questions or comments to the Architect by no later than 2:00pm on Wednesday, November 22, 2023, 12:00PM on Monday, November 27, 2023

PRE-BID CLARIFICATIONS

- 1. Question: I do not see the replacement window Specification 08 52 13. Can you please provide? Answer: Specification Section 08 53 13, Vinyl Windows, will be attached to Addendum 3 with Owner provided specification sheet.
- 2. Question: Can you please provide a fire rated floor and ceiling detail? Can you please reference on the detail what is existing.

Answer: Follow UL L521

- 2. Simplex is an approved equal manufacturer to the basis of design fire alarm system.
- 3. Question: Are the access controls to be CFCI or OFOI?

Answer: Access Controls are Contractor Furnished Contractor Installed

Question: If CFCI, what is the preferred manufacturer?

Answer: Manufacturers: Subject to compliance with requirements all equipment shall be Siemens

Desigo™ Fire Safety, Honeywell, or simplex.

SPECIFICATIONS

4. Section 08 53 13, "Vinyl Windows".

DRAWINGS

5. 7/A600 – Detail 7, New Replacement Window. New vinyl window to be contractor furnished and contractor installed. See Specification Section 08 53 13 and attached owner provided technical specification sheet.

ATTACHMENTS

6. Sheet A600, Specifications Section 08 53 13 Vinyl Windows, Owner supplied Vinyl Window Specification sheet, "VIWINCO, Performance Data Edgemont – Replacement Windows"

SECTION 085313 - VINYL WINDOWS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes vinyl-framed windows.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, glazing and fabrication methods, dimensions of individual components and profiles, hardware, and finishes for vinyl windows.
- B. Shop Drawings: For vinyl windows.
 - 1. Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.
- C. Product Schedule: For vinyl windows. Use same designations indicated on Drawings.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For manufacturer and Installer.
- B. Sample Warranties: For manufacturer's warranties.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A manufacturer capable of fabricating vinyl windows that meet or exceed performance requirements indicated and of documenting this performance by test reports and calculations.
- B. Installer Qualifications: An installer acceptable to vinyl window manufacturer for installation of units required for this Project.

1.6 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace vinyl windows that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Failure to meet performance requirements.
 - b. Structural failures including excessive deflection, water leakage, and air infiltration.
 - c. Faulty operation of movable sash and hardware.
 - d. Deterioration of materials and finishes beyond normal weathering.
 - e. Failure of insulating glass.
 - 2. Warranty Period:
 - a. Window: 10 years from date of Substantial Completion.
 - b. Glazing Units: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain vinyl windows from single source from single manufacturer.

2.2 WINDOW PERFORMANCE REQUIREMENTS

- A. Product Standard: Comply with AAMA/WDMA/CSA 101/I.S.2/A440 for definitions and minimum standards of performance, materials, components, accessories, and fabrication unless more stringent requirements are indicated.
 - 1. Window Certification: WDMA certified with label attached to each window.
- B. Performance Class and Grade: AAMA/WDMA/CSA 101/I.S.2/A440 as follows:
 - 1. Minimum Performance Class: LC
 - 2. Minimum Performance Grade: 25
- C. Thermal Transmittance: NFRC 100 maximum whole-window U-factor of **0.30 Btu/sq. ft. x h x deg F**.

2.3 VINYL WINDOWS

A. Manufacturer: VINWINCO as selected by owner pursuant to 902 KAR 20:330 regulations, Section 5(5) Windows accessible to the outside shall be secure and shall prevent unauthorized egress and ingress. Safety features shall be included on windows to ensure glass and glass fragments do not constitute a safety hazard.

- B. Operating Types: Provide the following operating types in locations indicated on Drawings:
 - 1. Double hung.
- C. Frames and Sashes: Impact-resistant, UV-stabilized PVC complying with AAMA/WDMA/CSA 101/I.S.2/A440.
 - 1. Finish: Integral color, white match existing
 - 2. Gypsum Board Returns: Provide at interior face of frame.
 - 3. Kind: Fully tempered
 - 4. Low-E Coating
- D. Insulating-Glass Units: ASTM E2190.
 - 1. Glass: ASTM C1036, Type 1, Class 1, q3.
 - a. Tint: Clear
 - b. Kind: Fully tempered
 - 2. Filling: Fill space between glass lites with **argon**.
 - 3. Low-E Coating
- E. Glazing System: Manufacturer's standard factory-glazing system that produces weathertight seal
- F. Hardware, General: Provide manufacturer's standard hardware fabricated from aluminum, stainless steel, carbon steel complying with AAMA 907, or other corrosion-resistant material compatible with adjacent materials; designed to smoothly operate, tightly close, and securely lock windows, and sized to accommodate sash weight and dimensions.
 - 1. Exposed Hardware Color and Finish: **As indicated by Owner specified designations**.
- G. Hung Window Hardware:
 - 1. Counterbalancing Mechanism: Complying with AAMA 902, concealed, of size and capacity to hold sash stationary at any open position.
 - 2. Locks and Latches: Allow unobstructed movement of the sash across adjacent sash in direction indicated and operated from the inside only.
 - 3. Tilt Hardware: Releasing tilt latch allows sash to pivot about horizontal axis to facilitate cleaning exterior surfaces from the interior.
- H. Weather Stripping: Provide full-perimeter weather stripping for each operable sash unless otherwise indicated.
- I. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.
 - 1. Exposed Fasteners: Do not use exposed fasteners to greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.

2.4 FABRICATION

- A. Fabricate vinyl windows in sizes indicated. Include a complete system for installing and anchoring windows.
- B. Glaze vinyl windows in the factory.
- C. Weather strip each operable sash to provide weathertight installation.
- D. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation. Allow for scribing, trimming, and fitting at Project site.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Verify rough opening dimensions, levelness of sill plate, and operational clearances.
- C. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure weathertight window installation.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E2112.
- B. Install windows level, plumb, square, true to line, without distortion, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.

3.3 FIELD QUALITY CONTROL

A. Windows will be considered defective if they do not pass tests and inspections.

3.4 ADJUSTING, CLEANING, AND PROTECTION

A. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.

- B. Clean exposed surfaces immediately after installing windows. Remove excess sealants, glazing materials, dirt, and other substances.
 - 1. Keep protective films and coverings in place until final cleaning.
- C. Remove and replace sashes if glass has been broken, chipped, cracked, abraded, or damaged during construction period.
- D. Protect window surfaces from contact with contaminating substances resulting from construction operations. If contaminating substances do contact window surfaces, remove contaminants immediately according to manufacturer's written instructions.

END OF SECTION 085313



Performance Data Edgemont - Replacement Windows

Air, Water and Structural Performance

Window Style	Individual Unit Size	Mulled Unit Size			Structural Rating	Overall Grade Rating	
Double-Hung	36" x 72"	-	AAMA/WDMA/CSA 101/I.S.2/A440-11	0.12 CFM	6.06	40	R40
Double-Hung	48" x 80"	1-1	AAMA/WDMA/CSA 101/I.S.2/A440-11	0.10 CFM	5.43	30	R30
Double-Hung Oriel	36" x 72"	_	AAMA/WDMA/CSA 101/I.S.2/A440-11	0.13 CFM	6.06	40	R40
Double-Hung Oriel	48" x 80"	<u> </u>	AAMA/WDMA/CSA 101/I.S.2/A440-11	0.08 CFM	6.06	35	R35
Double-Hung Reverse Oriel	36" x 72"	-	AAMA/WDMA/CSA 101/I.S.2/A440-11	0.15 CFM	6.06	40	R40
Double-Hung Reverse Oriel	48" x 80"		AAMA/WDMA/CSA 101/I.S.2/A440-11	0.15 CFM	6.06	30	R30
Triple Double-Hung	48" x 80"	145" x 80"	AAMA/WDMA/CSA 101/I.S.2/A440-11	0.10 CFM	5.43	30	R30
Picture	72" x 72"		AAMA/WDMA/CSA 101/I.S.2/A440-08	0.01 CFM	12.11	35	R35
Triple Picture Window	48" x 72"	144" x 72"	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.01 CFM	12.11	35	R35
Twin Picture Window	48" x 72"	96" x 112"	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.01 CFM	12.11	20	R20
with Transom	96" x 40"						
Edgemont 2-Lite Slider	84" x 48"	_	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.06 CFM	8.35	40	R40
Edgemont 2-Lite Slider	84" x 36"		AAMA/WDMA/CSA 101/I.S.2/A440-08	0.06 CFM	8.35	35	R35
Edgemont 3-Lite Slider 1/4-1/2-1/4	108" x 48"	_	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.06 CFM	6.06	35	R35
Edgemont 3-Lite Slider 1/3-1/3-1/3	108" x 48"	_	AAMA/WDMA/CSA 101/I.S.2/A440-08	0.06 CFM	7.52	35	R35
Edgemont Hopper	49" x 36"		AAMA/WDMA/CSA 101/I.S.2/A440-08	0.01 CFM	6.06	25	R25

Sound Transmission

Window Style	Unit Size	IG Unit	Glazing	STC	OITC 23	
Double-Hung	47-1/4" x 59"	3/4"	1/8" annealed, 1/2" spacer, 1/8" annealed	28		
Picture	47-1/4" x 59"	3/4"	1/8" annealed, 1/2" spacer, 1/8" annealed	27	22	
Slider	59" x 47-1/4"	3/4"	1/8" annealed, 1/2" spacer, 1/8" annealed	28	22	

STC rating was calculated in accordance with ASTM E 413.

¹ Windows tested per NFRC 100. Data applies to double-pane insulated glass units using a double-strength glass with a 1/2n airspace.

Data applies to: *Edgemont double-pane insulated glass units using double-strength glass with 1/2* air space.

² Tested using GED's Intercept[®] ULTRA low-conductance warm-edge spacer system. Calculations provided by Lawrence Berkeley Laboratory Window 7.4 and Optics5 software based on a 3/4" IG unit for Edgemont windows and 15/16" IGU for Cambridge windows.

³ Daylight Transmittance measures the performance of the glass only.

International Standards Organization Damage Weighted Transmission Rating (Tdw-ISO) calculations performed by Lawrence Berkeley Laboratory 7.4 Windows software and is weighted using recommended International Commission on Illumination (CIE) standards.

Solar Heat Gain Coefficient (SHGC) tested in accordance with NFRC 200. This value varies by style, glazing system and grids.

⁶ Condensation Resistance is tested in accordance with NFRC 500.



Performance Data Edgemont - Replacement Windows

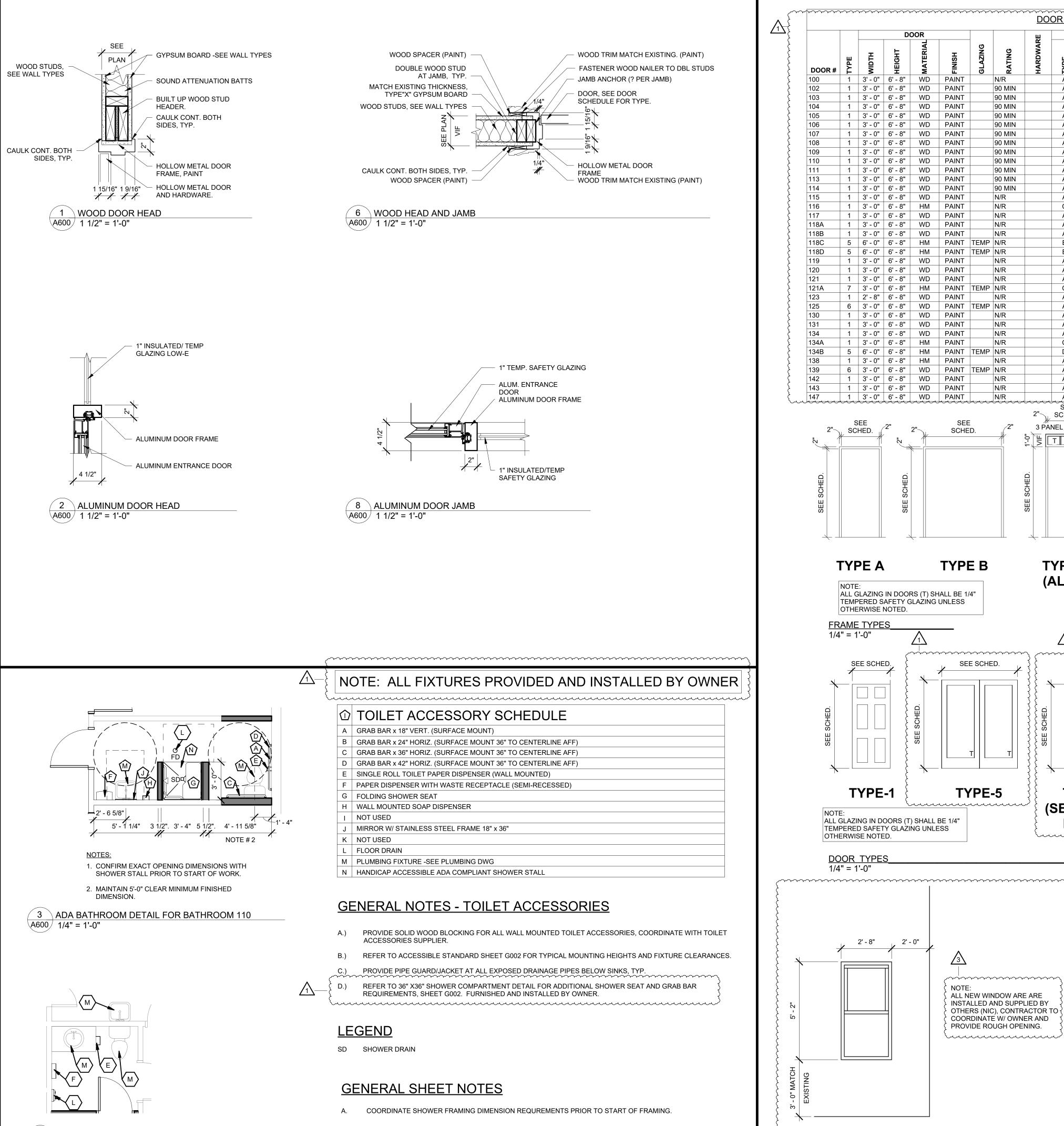
Standard Glass Package Thermal Performance - For the North-Central, South-Central, and Southern Climate ENERGY STAR® Zones

Glazing	Window Style	Primary Unit Size	Total Unit U-Value¹	Visible Light Transmittance ²		SHGC ⁵			ENERGY STAR® Certified	
				Grids	No Grids	Grids	No Grids	Condensation Resistance ⁶	Yes	No
Low-e glass, low-conductance spacer and argon gas fill.	Double-Hung	<= 36" x 72"	0.29 No Grids 0.31 With Grids	0.42	0.48	0.19	0.21	58	NO GRIDS	GRIDS
	Edgemont 2-Lite Slider	<= 108" x 48"	0.28	0.44	0.49	0.19	0,21	60	1	
	Hopper	<= 49" x 36"	0.30	0.40	0.44	0.17	0.19	60	✓	
	Picture	<= 72" x 72"	0.26	0.46	0.52	0.20	0.22	60	1	

Northern Zone Glass Package Thermal Performance - For the Northern Climate ENERGY STAR® Zone

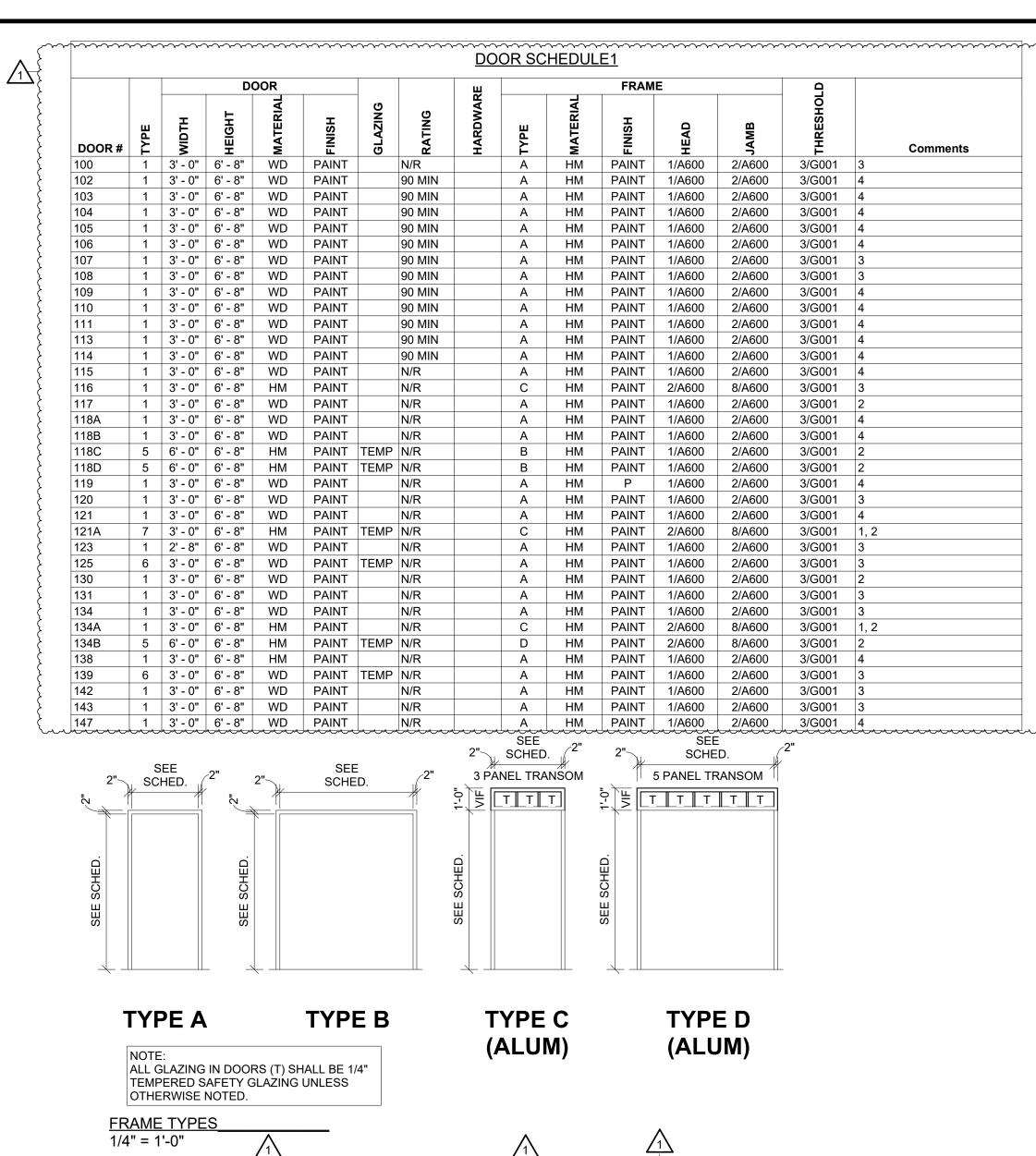
Glazing	Window Style	Primary Unit Size	Total Unit U-Value ¹	Visible Light Transmittance ²		SHGC ⁵			ENERGY STAR® Certified	
				Grids	No Grids	Grids	No Grids	Condensation Re- sistance ⁶	Yes	No
Low-e glass, low-conductance spacer and argon gas fill.	Double-Hung	<= 36" x 72"	0.30 No Grids 0.31 With Grids	0.49	0.55	0.38	0.43	58	NO GRIDS	GRIDS
	Edgemont 2-Lite Slider	<= 108" x 48"	0.29	0.51	0.58	0.40	0.45	59	1	
	Hopper	<= 49" x 36"	0.31	0.47	0.51	0.36	0.39	60		✓
	Picture	<= 72" x 72"	0.28	0.54	0.60	0.42	0.47	59	✓	

All thermal and sound testing is done in accordance with required NFRC sizing.



4 ENLARGED PRIVATE RR 127

\A600\/ 1/4" = 1'-0"



SEE SCHED.

TYPE-5

ALL NEW WINDOW ARE ARE

PROVIDE ROUGH OPENING.

INSTALLED AND SUPPLIED BY OTHERS (NIC), CONTRACTOR TO ? COORDINATE W/ OWNER AND

ALL GLAZING IN DOORS (T) SHALL BE 1/4"

TEMPERED SAFETY GLAZING UNLESS

7 NEW REPLACEMENT WINDOW

A600 3/8" = 1'-0"

OTHERWISE NOTED.

DOOR TYPES

1/4" = 1'-0"

SEE SCHED.

TYPE-6

(SECLUSION

ROOM)

SEE SCHED.

TYPE-7

DOOR SCHEDULE NOTES: 1. SECURITY DOOR, WITH CARD READER. CARD READERS AND SECURITY FURNISHED AND INSTALLED BY Comments 2. NEW EXTERIOR DOOR AND FRAME 3. NEW INTERIOR DOOR AND FRAME 4. NEW DOOR IN NEW FRAME. **GENERAL NOTES:** A. ALL EXISTING DOORS AND FRAMES SHALL BE PAINTED BY OWNER (NIC) B. ALL DOOR HARDWARE SHALL BE SUPPLIED AND INSTALLED BY OWNER (NIC) **FINISH NOTES:** 1. ALL FLOORING WILL BE FURNISHED AND INSTALLED BY

WOOD TRIM, MATCH

EXSITING, PAINT

CONT. CAULKING -

CONT. CAULKING

WOOD TRIM, MATCH

EXSITING, PAINT

NEW 2x SILL

9 WINDOW FRAME DETAIL

WOOD SILL

OWNER (NIC)

TOOTH -IN NEW BRICK AT

NEW WINDOW OPENING

THROUGH WALL

- CONT. SEALANT

CONT. SEALANT

NEW BRICK SILL TO

MATCH EXISTING

THROUGH WALL

METAL FLASHING

TOOTH -IN NEW BRICK AT

NEW WINDOW OPENING

METAL FLASHING



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DATE: 11/21/2023 CD JOB STATUS: LS,BP DRAWN BY: THB, BP CHECKED: PROJECT NO: 2324 SHEET: